

### Overview

NSA: Connectivity is a one-day instructor-led course, covering Nokia IPSO dynamic routing over the LAN and over Check Point VPN-1. The course is designed to be hands-on, and during the lab exercises, students will implement a dynamically routed network with routing security, firewall security, and routing over VPN.

### Topics covered in the course

- Theory of dynamic routing
- Concepts implementation of RIPv2
- Concepts and implementation of OSPF
- Securing dynamic routing with passwords and keys
- Making communication with less secure areas safe by route filtering
- Theory and implementation of OSPF over a Check Point VPN
- Anti-spoofing, Check Point wire-mode and security implications

Note: While dynamic routing can be used for resilience purposes, this class concentrates on managing and simplifying topology and connectivity. If you intend to design your network so that dynamic routing implements fail-over to other firewalls, you will also want to attend the NSA: High Availability class.

### Prerequisites

Persons attending this course must have attended NSA: Foundation or the seceded NSA I class, and they should have passed NSA certification. They should have CCSA



certification or equivalent Check Point knowledge. In addition, a basic knowledge of routing and IP is important:

- IP addressing and subnetting
- Static Routing
- DNS
- Some knowledge of the TCP protocol.

### Who Should Attend

Technical persons tasked with the design, installation, and operation of Nokia security solutions with complex topologies, multiple entry points or other distribution across the Internet should attend. This would include operation of any system with close integration with other routing products such as Cisco IOS routers

### Course objectives

Upon completing this course, participants will be able to:

- Understand the theory of dynamic routing
- Understand concepts of and implement RIPv2
- Understand concepts of and implement OSPF
- Understand issues of securing a dynamically routed environment
- Understand and implement OSPF over a Check Point VPN

### Contact Information

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